

**Request to Archive
With The National Centers for Environmental Information
For Global GTS Upper Air BUFR from NWS
Provided by NCEI**

2017-03-02

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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2. Name the organization or group responsible for creating the dataset.

NWS TOC

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

WMO Member nations are transitioning from transmitting upper air radiosonde observations from ascii (TAC) to BUFR format. This was previously done for surface CLIMAT and Marine observations. Would like to amend the existing SA for those 2 data streams to incorporate this upper air data. Note this differs from the data stream for High Resolution BUFR format (US).

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2017-03-01
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

2017-04-01

7. Who are the expected users of the archived data? How will the archived data be used?

These data will be ingested and incorporated into IGRA.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

These data are being analyzed as part of ongoing operational activities at NCEI products section.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

Incorporated into NCEI's IGRA version 2 dataset.

10. List the input datasets and ancillary information used to produce the data.

These are the raw observations.

11. List web pages and other links that provide information on the data.

<https://www.ncdc.noaa.gov/data-access/weather-balloon/integrated-global-radiosonde-archive> .

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. WMO documentation

13. Indicate the data file format(s).

1. BUFR

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

sn.<####>.bin

" sn" = static field, means "sequence number"

"<####>" = dynamic field, is established by center writing the files

".bin" = file extension, "bin" is for binary, in this case is a WMO BUFR binary format

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

The data will be available within the next week or so. Will be provided by Carissa Klemmer.

17. What is the total data volume to be submitted?

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 50MB per Day

Data File Frequency: 24 per Day

Data Production Start: 2017-03-20

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: borg4:/raid/gtsnp/data/Ingest/GTS/SFC/YYYYMM

System Name: borg4

System Owner: NCEI IT

Additional Information: An Authoritative Copy should be made to "AuthCopy"
gulp1/pub/upload/AuthCopy/InSitu/GTS/UPPERAIR

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

Raw data that forms basis of IGRA.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

CWC to DSD

26. Do you have a data management plan for your data?

Managed as part of IGRA.

27. Have funds been allocated to archive the data at NCEI?

Base funded activity.

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

IGRA version 2

29. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2017-04-01

Accessible by:

30. Add any other pertinent information for this request.

Please refer to the existing SA BETWEEN THE NATIONAL WEATHER SERVICE (NWS)
TELECOMMUNICATIONS GATEWAY (TG)

AND THE NOAA NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION (NCEI) FOR THE Global
BUFR Data Stream